ABSTRACT OF THE DISCLOSURE

A Vehicle Safety Management System ("VSM") detects safe driving behavior in a vehicle. The system includes a plurality of unsafe driving events, including tailgating, frequent lane changes, speed limit violation, speed limit violation over a curved segment of road, rapid acceleration from a start, and rapid deceleration to a stop. The vehicle is equipped with an event detection module. The event detection module includes a circuit that acquires vehicle data for parameters associated with movement of the vehicle. The event detection module also includes a processor for executing algorithms that determine whether movement of the vehicle meets one or more pre-determined conditions. If the pre-determined conditions are met, event data for one or more unsafe driving events are generated. The event detection module includes a transceiver to send and receive data between the vehicle and a server. The server presents event data to a customer so as to allow the customer to view unsafe driving behavior data for the customer's fleet. For example, the application server may generate reports that detail the unsafe driving events for a driver, vehicle, condition, etc.